



## Features

- Onboard AMD Embedded G-Series GX-424CC SoC, 2.4GHz
- 2x DDR3 DIMM, Max. 8GB
- Supports 2x HDMI
- 2x Intel® PCI-E Gigabit LAN
- Watchdog timer, Digital I/O
- 6x USB 2.0, 2x USB 3.0, 6x COM, 2x SATA III
- 1x PCI-E (x8) [(x4) Link]

## Specifications

CPU Socket	APU on board
CPU	AMD Embedded G-Series GX-424CC SoC (2.4GHz)
PCH	Integrated
Memory Types	2x DDR3 DIMM, Max. 8GB (ECC compatible )
BIOS	AMI
Watchdog Timer	256 levels
H/W Monitor	Yes
Storage Device Interface	N/A
Expansion Slots	1x PCI-E (x8)[(x4) Link] 1x PCI-E (x1)
Mini Type Slots	N/A
Graphics Controller	AMD Embedded G-Series SoC built-in GPU (AMD Radeon™ HD8000 series)
Video Output	Supports 2x HDMI
Ethernet	2x Intel® I211AT PCI-E Gigabit LAN
I/O Chip	Fintek F81846AD-I
Serial Port	5x RS232, 1x RS232/422/485 (jumper-less selection)
USB 2.0	4x USB 2.0 on board 2x USB 2.0 via pin-header
USB 3.0	2x USB 3.0 on board
Serial ATA	2x SATA III
Audio	AMD Embedded G-Series SoC built-in HD audio + Realtek ALC888S codec
TPM	N/A
Others	Digital I/O (4-in/4-out), ATX power connector
Dimensions (L x W)	170mm x 170mm (6.7" x 6.7")
Power Consumption	AMD GX-424CC 2.4GHz w/ 2x DDR3L-1600 8G +12V: 1.56A; +5V: 1.75A; +5VSB: 0.13A; +3.3V: 0.23A
Operating Temperature	0°C~60°C (32°F~140°F)
Storage Temperature	-20°C~80°C (-4°F~176°F)
Relative Humidity	90% (non-condensing @60°C)

## Ordering Information

MI963FCS-222	AMD Embedded G-Series GX-222GC APU on board Mini-ITX motherboard, w/ 2x HDMI, PCI-E, dual Gigabit LAN
MI963FCS-424	AMD Embedded G-Series GX-424CC APU on board Mini-ITX motherboard, w/ 2x HDMI, PCI-E, dual Gigabit LAN

\*(S) means with Realtek ALC888S codec

## Dimensions and Drawing

